All these works can be found on arXiv in preliminary versions.

Scientific papers submitted to refereed journal

  (article)

  (article)

  (article)

Scientific papers published in refereed journal

  (article)

9. R. A. Capistrano-Filho, S.-M. Sun and B.-Y. Zhang, *General boundary value problems of the Korteweg-de Vries equation on a bounded domain*
Publications


of the Gear-Grimshaw system with critical size restrictions on the spatial domain

(article)

3. R. A. Capistrano-Filho, A. F. Pazoto and L. Rosier, Internal controllability for the Korteweg-de Vries equation on a bounded domain

(article)

2. R. A. Capistrano-Filho, V. Komornik and A. F. Pazoto, Stabilization of the Gear-Grimshaw system on a periodic domain

Communications in Contemporary Mathematics 16 (2014) 1-22.
(article)

1. F. D. Araruna, R. A. Capistrano-Filho and G. Doronin, Energy decay for the modified Kawahara equation posed in a bounded domain

(article)

Preprint

- R. A. Capistrano-Filho, Regional controllability of the fifth order KdV type equation, preprint.

In preparation
Publications

Low regularity well-posedness for the biharmonic Schrödinger equation in unbounded domains - Joint work with M. Cavalcante

Exact controllability of the nonlinear Schrödinger equation in exterior domains - Joint work with L. Rosier and B.-Y. Zhang.

Global exact controllability of the nonlinear KdV equation with a Neumann boundary conditions - Joint work with Bing-Yu Zhang.

Boundary controllability of the Kawahara equation using flatness - Joint work with L. Rosier.

Boundary smoothing properties of the Boussinesq system of KdV-KdV type posed on a finite domain - Joint work with Bing-Yu Zhang.

Controllability of higher dimension of the Boussinesq system - Joint work with F. Chaves-Silva and A. F. Pazoto.

